48

U-37-1-H

16092 C1 File U-37-1A 16111 C1 24071 C3

CS: 16092

ID: C1 U-37-1-A

BORROW REQUIREMENTS										
WHERE REQUIRED STA. TO STA.	AMOUNT REQUIRED	AMOUNT AVAILABLE	SOILS SERIES	PIT LOCATION						
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		1.27 30 16 J. Trust								
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La Company of the Company	12350 (140)									

MICHIGAN

STATE HIGHWAY DEPARTMENT

JOHN C. MACKIE, COMMISSIONER

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDAIN WITH THE MICHIGAN STATE HIGHWAY DEPARTMENT CURRENT STANDA SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS.

DIV. NO	STATE	PROJ. NO.	FEGAL	SHIGET	TOTAL
4	MICH.	107-5(4	X		
ROUTE	STATE	COUNTY	TWP.	SHIEET	TOTAL
1527	19/1/1907	CHESONSAM /	landinaer landinaer	1	
EFR. DIV. NO.	STATE	PROJ. NO.	FISCAL.	SHEET NO.	TOTAL
4	MICH				
ROUTE	STATE PROJECT	DOUNTY	 	EHLEF NG.	TOTAL:
					-

R.O.W. Plans 1 07-5 (E), Item 121

F1!GHWAY CLASSIFICATION: 4630-M

PLAN AND PROFILE OF PROPOSED

MICHIGAN PROJECT 107-5 (4)

CONTROL SECTIONS BI 16092 CIRN, BI 16111 CIRN & BI 24071 C3RN INDIAN RIVER-MACKINAW CITY ROAD

CHEBOYGAN COUNTY MACKINAW TWP.

INDEX OF SHEETS

1 Title Sheet

243 Typical Gross Sections

4 Notes and Special Provisions

5 to 14 Plan and Profile

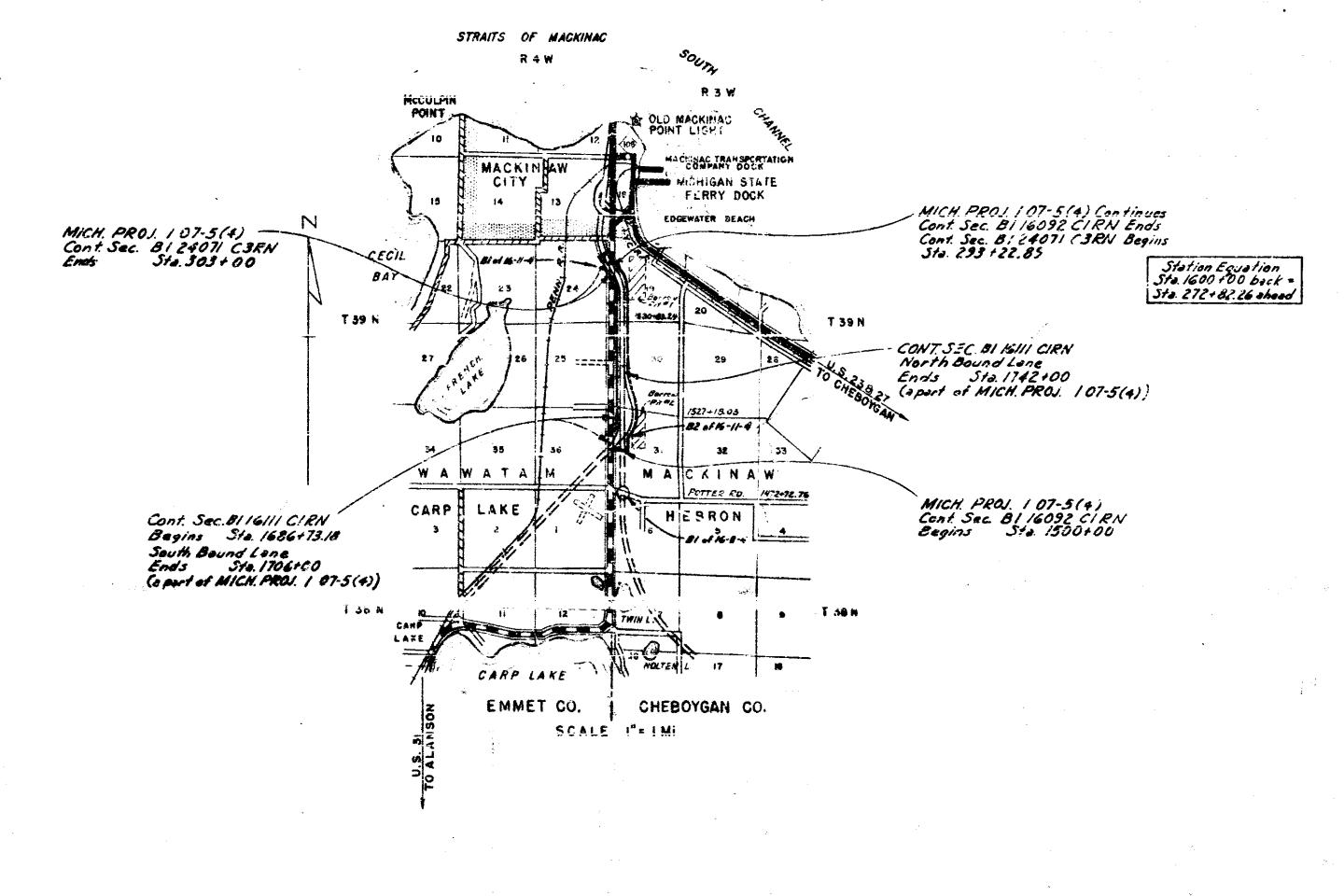
15 2.0.W. Plan, John. US 27 & US 31
16 Mass Diagram

17 Special Details
18-19 Quantities

For Index to Bridge Plans See Sheets Nos 1014201

STANDARD PLANS

None



Item 14	3 \$ D.S. and (2) 24' Conc. Part.	@ 94'& to &
CHECKED DES CHECKED ENE RECOMMENDED TRA RECOMMENDED FOR APPROVAL	IGN AND TRAFFIC DIVIS NEER OF DESIGN PLANTING PROPRIED THE ENGINEER PLANTING PROPRIED THEER OF SHOPE AND ROAD DESIGN	
APPROVED COM	ENGINEERING AND CON STRUCTION ENGINEER	STRUCTION #-23-54 #-24-12
APPROVED JOHN C.	SHWAY DEPARTMENT A MACKIE, STATE HIGHWAY WALL E. MILLS COMMISSIONER - ENGINEERING	
PLANS PREPARED BY MICHIGAN STATE HIGHWAY DEPARTMENT	DEFARTMENT OF COMME BUREAU OF FUELIC ROA APPROVED BIVISION CHARMA	

EXISTING CONDITION

PROPOSED PROJECT

T.L OR F.A. PRIVED

T.L. OR F.A. BITLIMINOUS

T.L. OR F.A. UNIMPROVED

NON T.L. OR F.A. WITUINIOUS

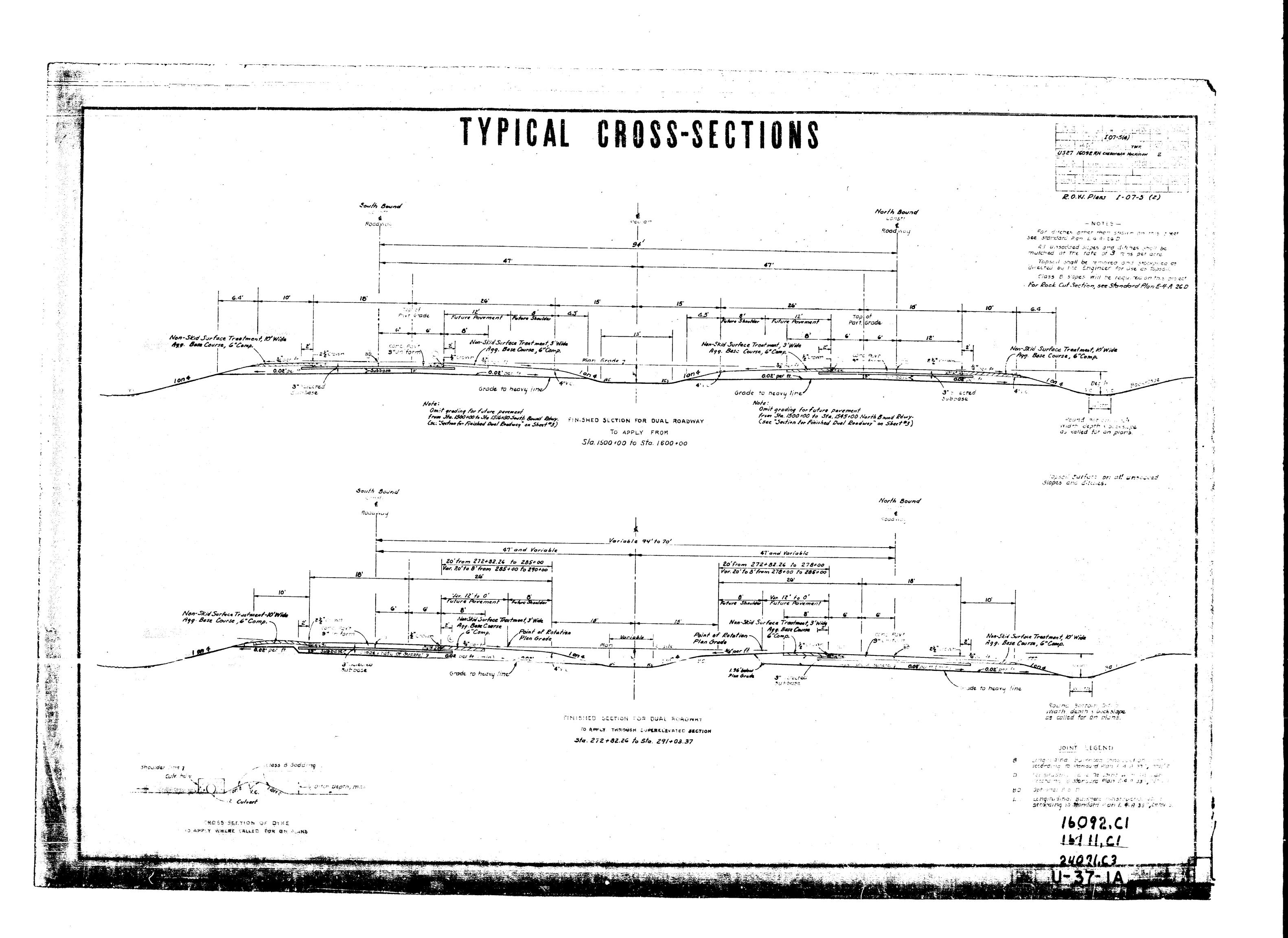
NOM T.L. OR F.A. WITUINIOUS

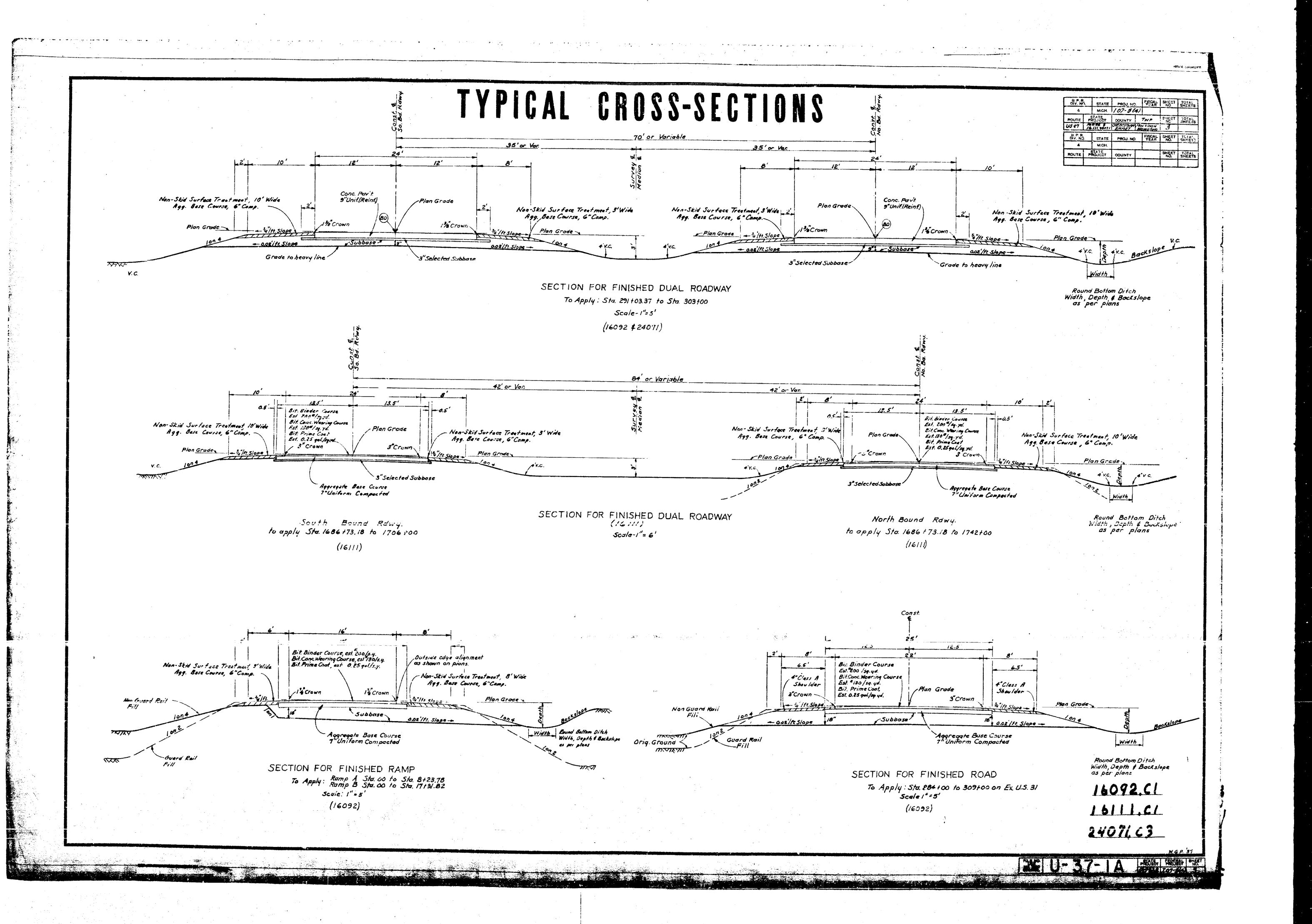
NOM T.L. OR F.A. WITUINIOUS

TOWNSHIP LINE

SECTION LINE

S





81 (61)1 CIRN BI 29071 CSRN

STATION MARKINGS ON HEADWALLS

The Engineer shall place station numbers on all concrete culvert headwalls. The stationing of the centerline of the culvert shall be marked on the top of each headwall with base of numbers toward center of road by using standard pavement marking forms. THE YEAR GOINTS IN CONCRETE PAVEHENT

Transverse joints in concrete pavement shall be placed according to details on Standard Plan E-4-A-135A and E-4-A-127A.

BITUMINOUS HATERIAL OR APPROACHES

Situatinous surfacing mixture where placed on approaches shall be placed to a line 30 feet from the edge of the slat, unless otherwise shown. Hiers used as a base for bituminous surfacing misture, the approach aggregate shall have a minimum thickness of \$" compacted. The bituminous material mixture shall be 2% thick, compacted, and the approach aggregate shall be depressed 22 to receive the bitumenous material.

Hand finishing according to Article 4.14.03-q-1 of the Standard Specifications will be permitted on all except the normal full width traffic lanes as directed by the Engineer. PAVENENT REINFORCEMENT

The payement reinforcement shall conform to Standard Plan E-4-A-21F except that the length of sheet or mat for 12-foot lames may be 15'-0" instead of 16'-6". The laying lap for 15-foot langth sheet or mat shall be 13 inches. The computed weight of stack per standard sheet is as follows:

Type of Reinforcemen				•							1	þ	ij	jį (ŞΓ	į5±1	fop	t, i	engti	1 9	af 9	ltár	เมื่อเ	rd
الله الله الله الله الله الله الله الله	_																IX ET	ĮDį,		96.	1	4.			_
Hesh Bar Mat	• • •	•	•	•	•	•	٠	٠		•	•	•	•	12	2.	9									
Expanded	!etal	•		•		•	•	•	•	•	•		•	3	¥.(Č								•	

WINEN WIRE FENCE

Where wewen wire fence is called for, the Engineer shall check the right of way as actually acquired before placing fence.

SURROW PIT HO. 2

It is estimated that of the 968,680 Cu.Yds. of borrow available in this pit, 200,000 Cu.Yds. is estimated to be dry and 269,000 Cu.Yds. estimated to be wet exervation.

	Bi iéos	e cim unit	BL 16611 CIRN	BI 2407 CS
Earth Excavation (Salvaging Materials in Fill Areas).	7020	Cu.Yds.	1080	27 0
Sorres (To Replace Salvaged	8434	Cu.Yas.	1296	32 4 .
· Overhaul (On Above Serrow)	8434	Ctimp.Cu. Pd. Hi.	852	* . S 66
Fine Grading and Cleanup -POS to POE	284	Stee.	71	20
Tobabii Surface (On Hosadded Slopes and Differs)	7020	Cu . Yda ,	·	270
Mulching (Slopes, as Directed by the Engineer.).	75	Tons	12	. • • • • • • • • • • • • • • • • • • •
*Seeding	žĖ	Acres	4	Í

		#1 50 8 2	CIRR
6" Sower Pipe Underdrain	1	826	Lin.Ft.
Rock Excavation (waste) Trench	578	Cu.Yds.	
Excavation (Waste from)	lemer Trenches)	1260	Cu.Yds.
- Porous Material - Grade	8 (LM)	75 9	Cu.Yde.
**Porces Hateriai - Grado	Á	1376	Cu.Yds.
Overhous (Porous Materia	il-Gradu A)	1337	Comp.Cu.Yd.Mi.
Grade "A" Camerete		3.0	Cu. Yds .
Beinforcing atset	Cutlet Headwalls	150	Ibe.

"To be done by Maintenance Division: **Classed as Earth Excavation from Pit No. 1.

The following Public Utilities are represented on this project:

	KING OF STILITY
; ;	Telephone Line
• •	Paper Line

The owners of existing poles and other service structures that are within grading limits and that will interfere with construction operations will move them to locations designated by the engineer or will remove them entirely from the highway right of way.

Omers of public utilities will not be required by the Department to neve additional

stedding and filling around pipe culverts shall be as specified on Standar! Plan E-4-A-350. An estimate of the sand gravel fill required is included on the plans.

We poles will be permitted within the right of way along this project.

DIV. NO	STATE	PROJ. NO.	FISCAL	SHEET NO.	TOTAL
4	MICH	107-514			
TOUTE	PROJECT	COUNTY	THE.	SHEET	TOT L
1527	7117	CHESOY SAN	Mackingar	4	
B.P.R.	STATE	PROJ. NO.	PRICAL	SHEET	TOTAL
4	MICH				
NOUTE	PACJECT	COUNTY		SHEET	TOTAL
					Ī

51 16002 CIRM BI CHIL CIRM BI 24071 CBRk

Miere the following items are called for on plans, they are to be constructed seconding to the Standard Plan given toler opposite each item unless otherwise indicated:

Outlet Headwells	• •	£-4-A-90, Details 1 or 2
Sever Pipe Underdrain		E-4-4-9C, Detail 5 for Sewer.with Open Joints. (except that Porous Material, Grade B small be used and the estimated sour trench width may be 36")

Sedding	P. I. A. 140
•	E-4-A-108
¢itch Turnout	E-4-A-105, Betail ii
Pavereni Reinforcument	E-4-4-21F
Grading Cross-Sections .	E-4-A-260

Treatment of Peat Harshes

	Pavement Joints	E-4-A-33F
•		(excepting that plain tie bars will
		not be permitted)

B edding	an ^{.4}	Filling	around	Pipe	Culveria	E-4-A-36C	•		
_		-		-					

evation of Curves	E-4-4-198-7
	(except that rate of superelevation is
	to be as called for on plans)

•	to so to advise the Cit bigue!
Paverent Crowns	E-4-A-498-7
Two cable Guard Rail and Guard Posts	E-4-A-75C-2
Road Project Markers	E-4-A-770
Typical Joint Layout	F-4-A-127A

Dowel Bar installation for Loa! Transfer at Transverse Contraction Prtional = E-4-A-130A, E-4-A-130B, E-4-A-1300, or and Expansion Joints other approved equal

Sase Plates for Transverse Pavenent Joints E-4-A-138 (except that spot welds may be substituted for rivets to attach the !" angle)

ocation of Transverse Expansion of Contraction Jeints in Concrete	•	•		
Avenent			C_B_A_ CORA	

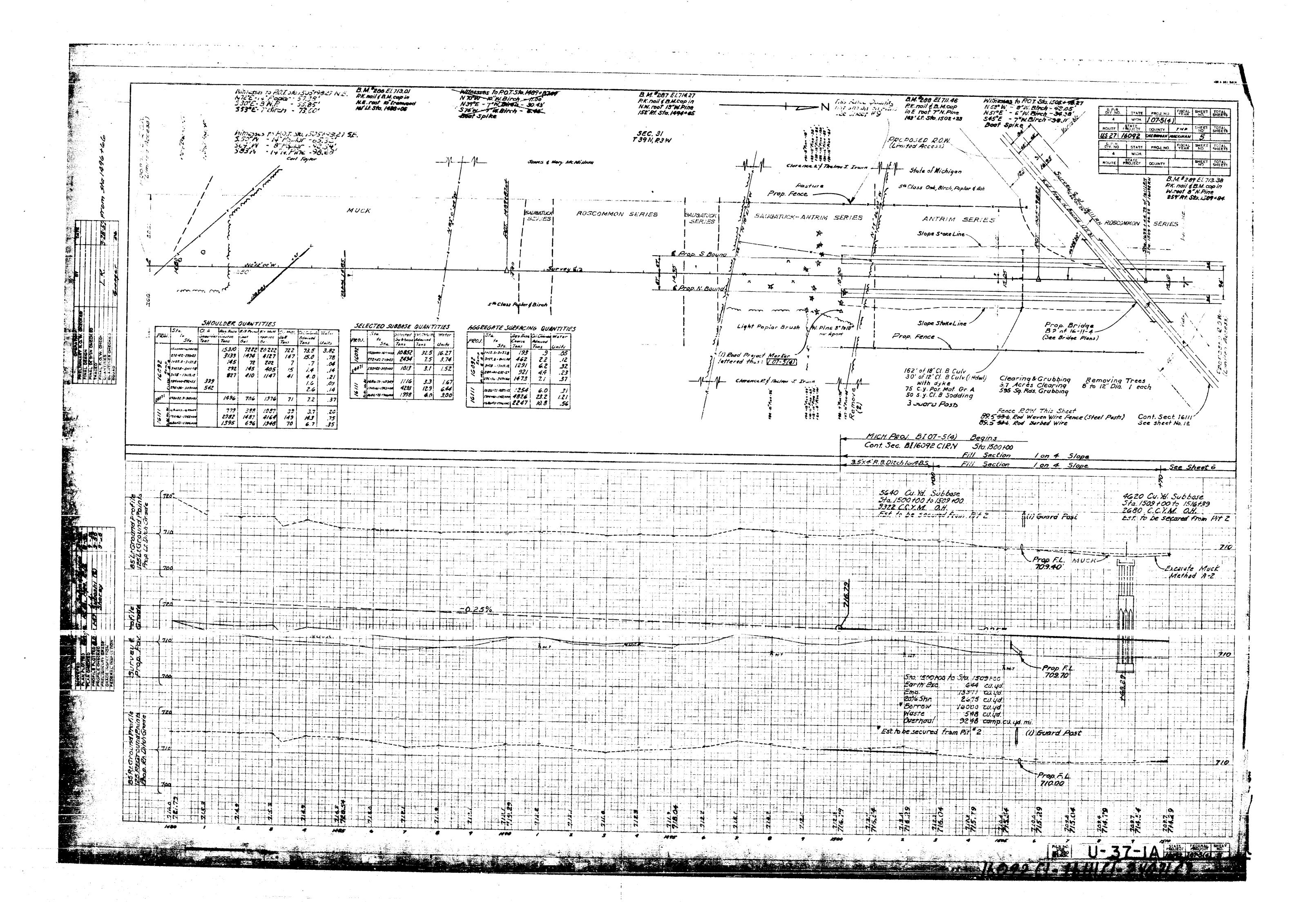
THE FUNCTION C	t-1-8-133A	
Berricade an' Project Sign	E-6-A-5%	
Concrete Headwalls for Circular Culverts, 10" to 35" diameter		
(Imaded 1) and a security of the		

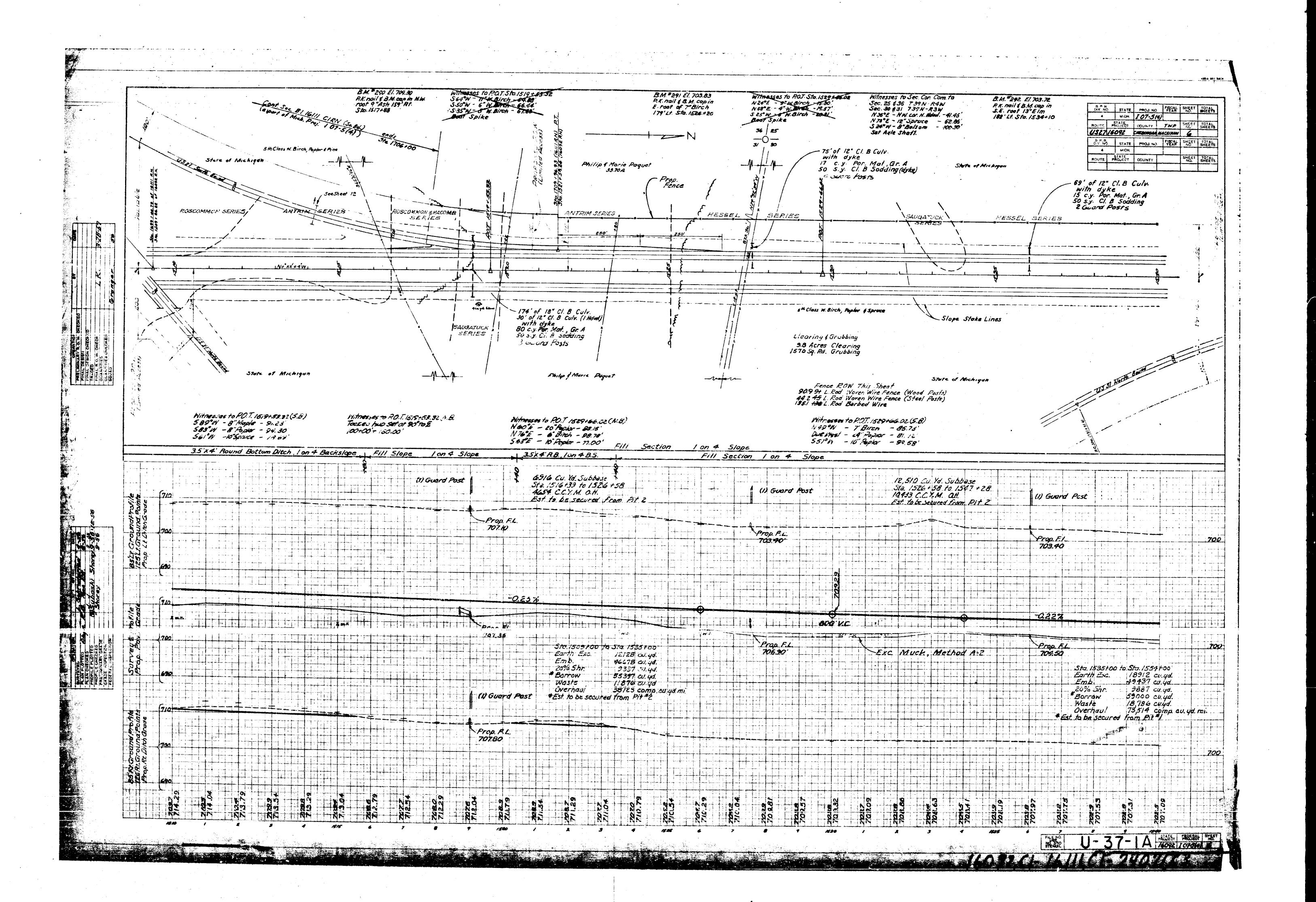
circular drive culverts up to 24" diameter, inclusive and a concrete ring shall be placed at each end of E-13-1-18

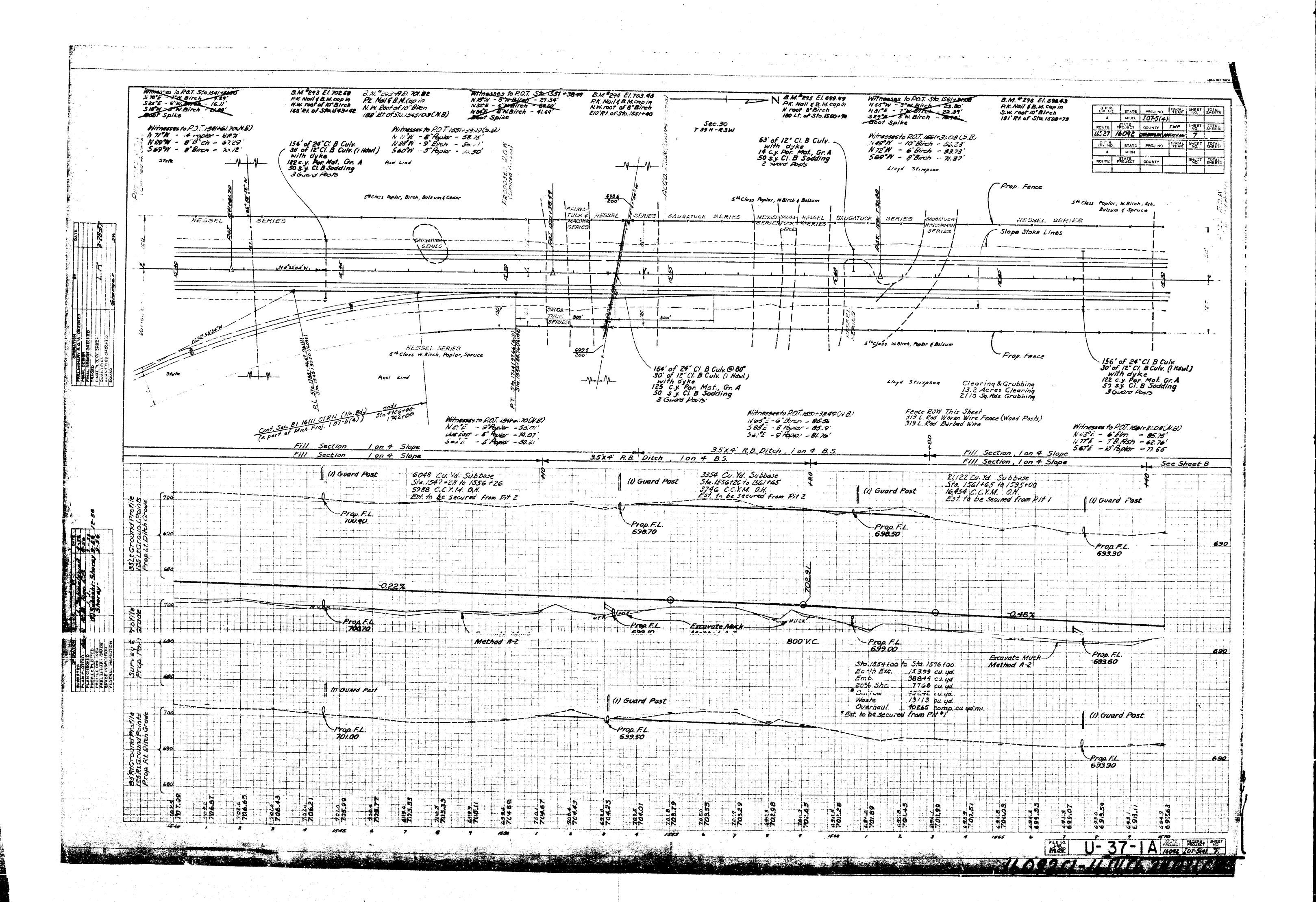
See Plan Sheet 46.17 P-大学を下3

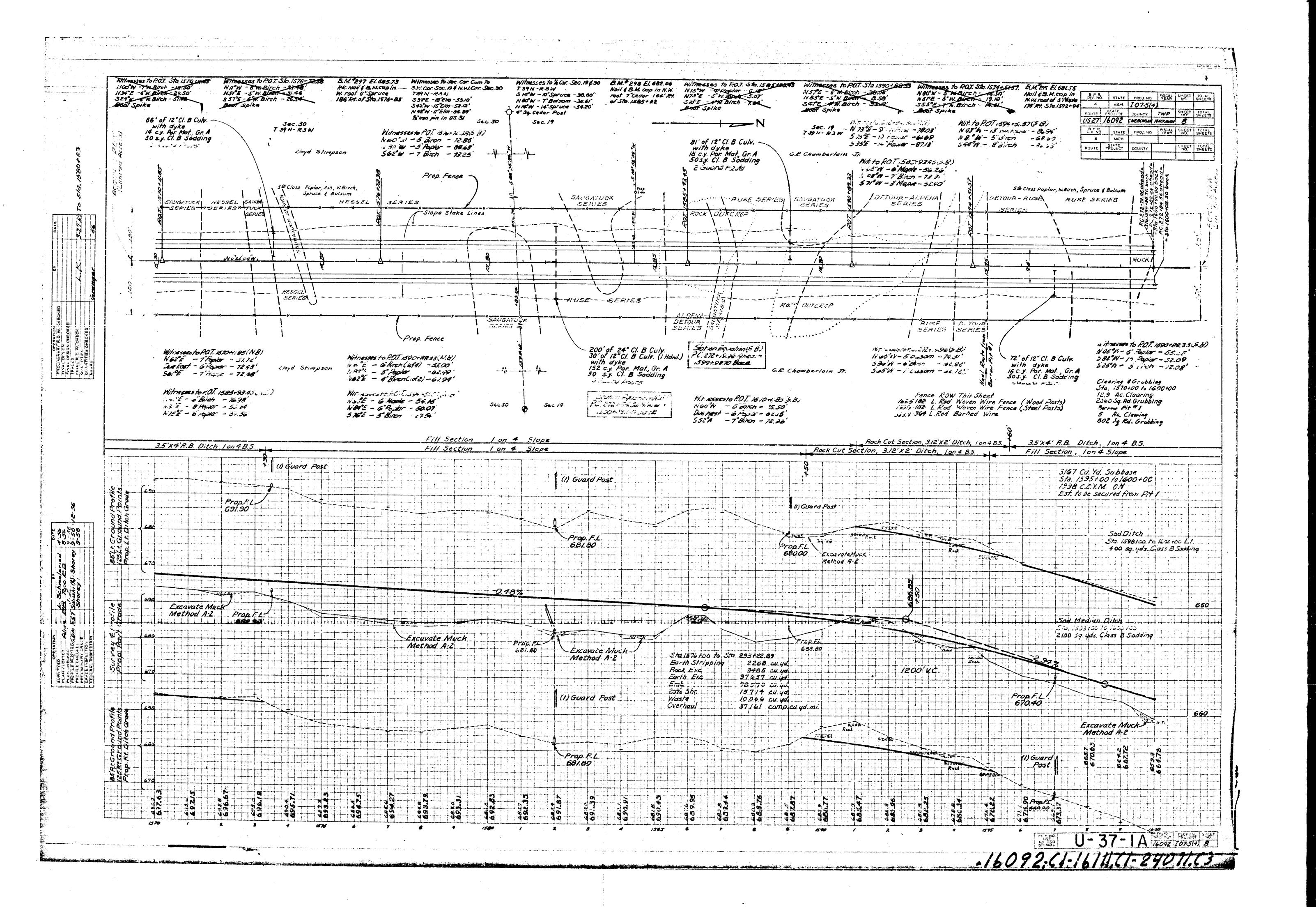
spilote - E-4-d-278-8 or E-4-d-278-4

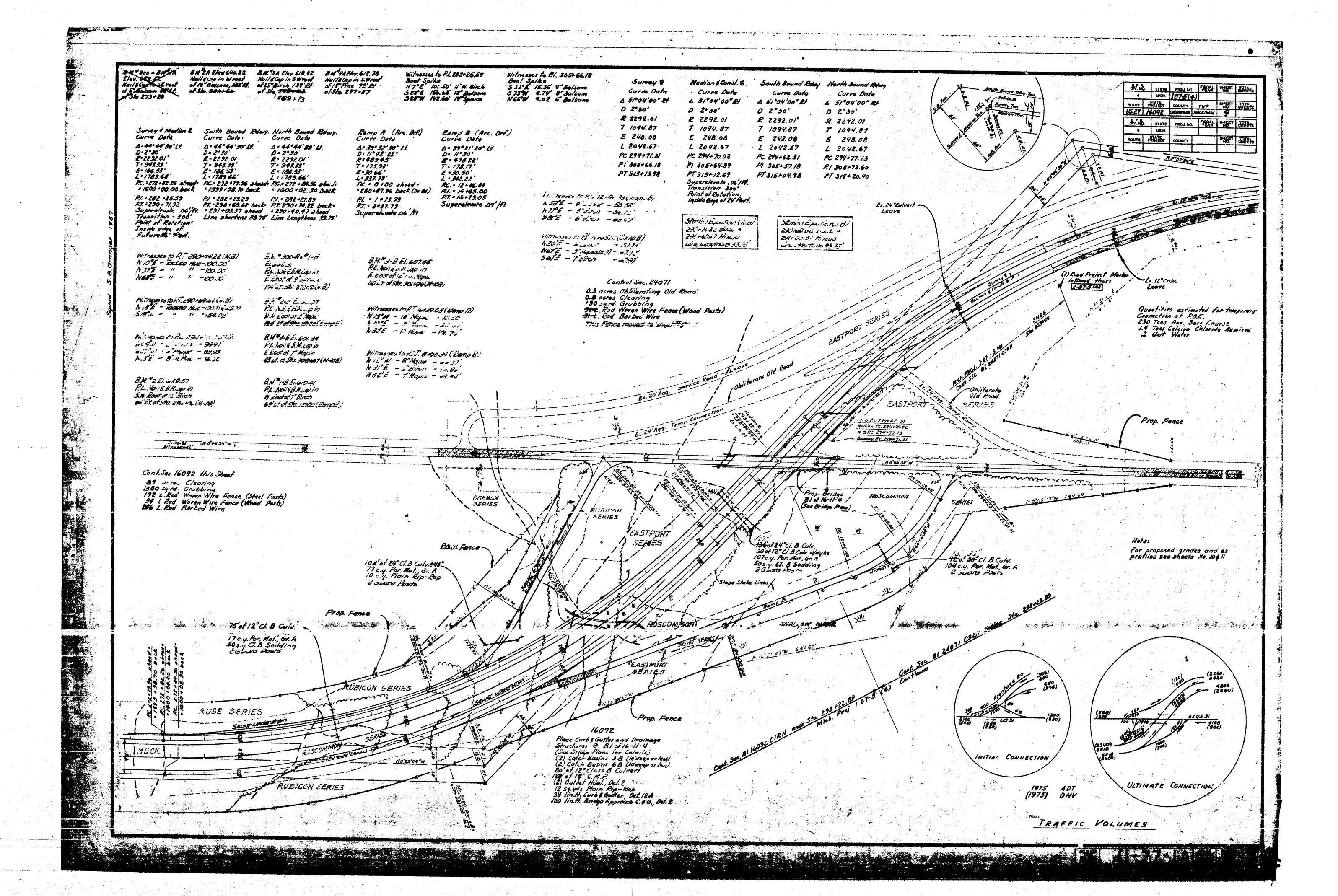
E-4-4-19E, Datil 2 E-4-A-124A

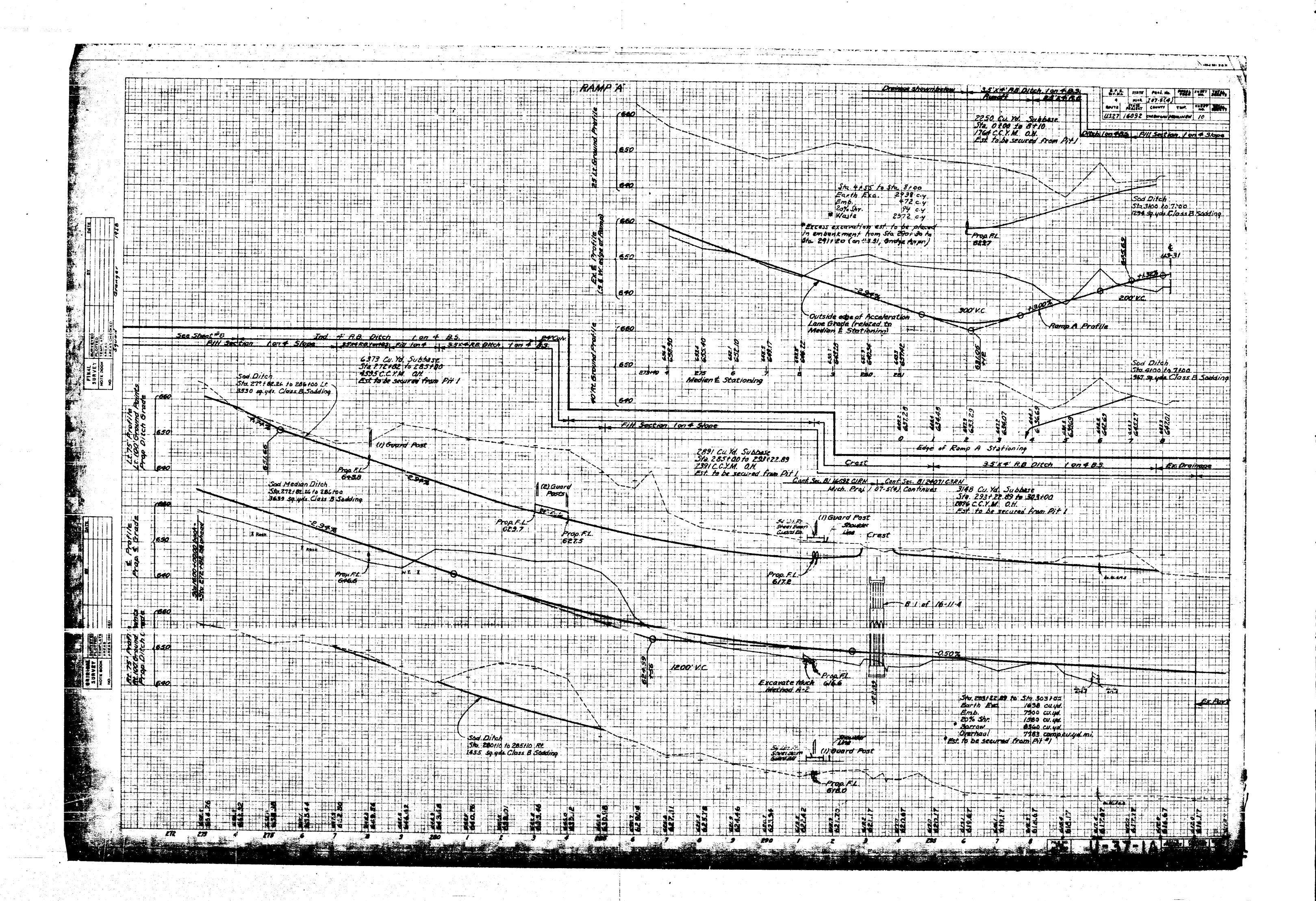


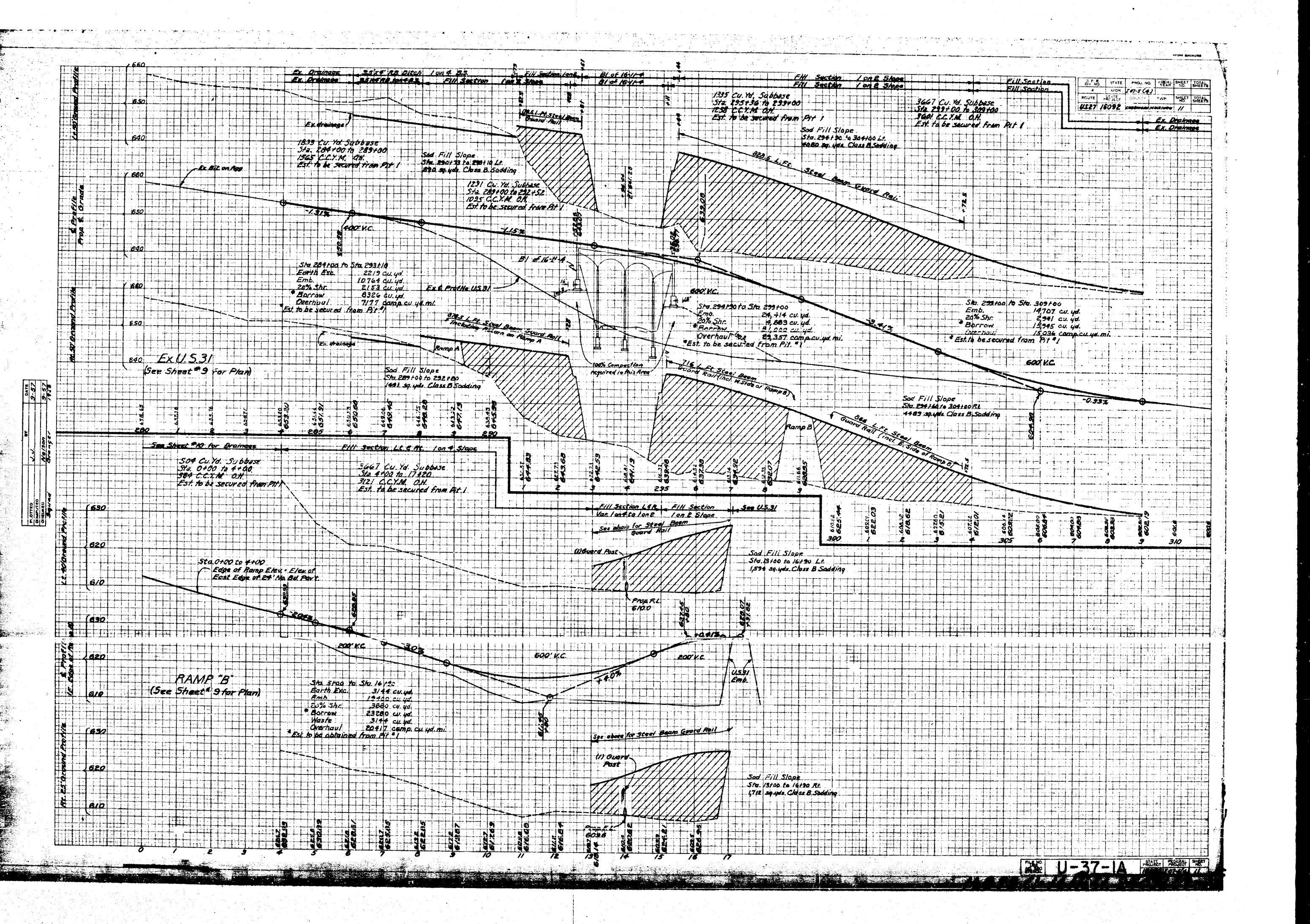


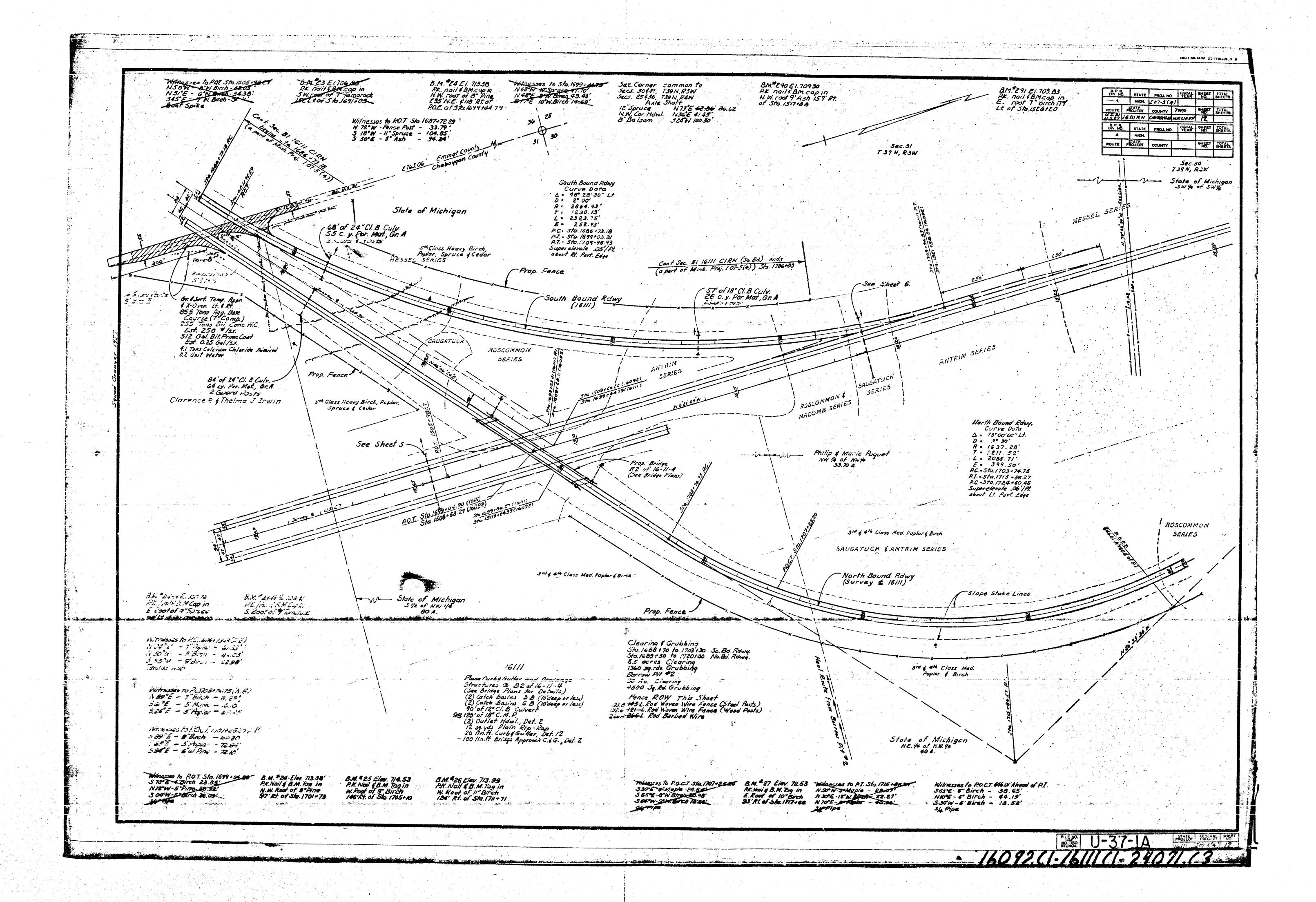


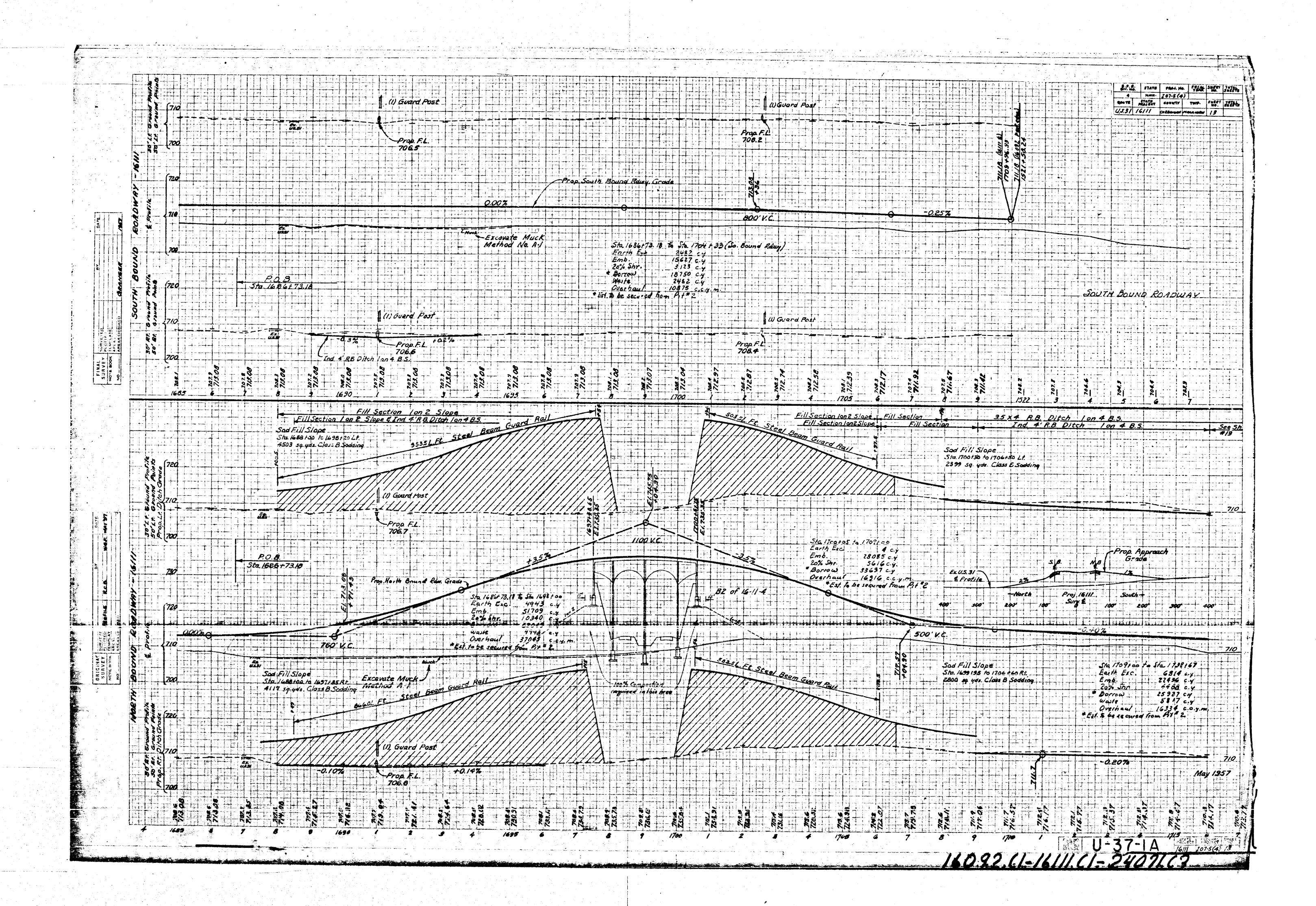


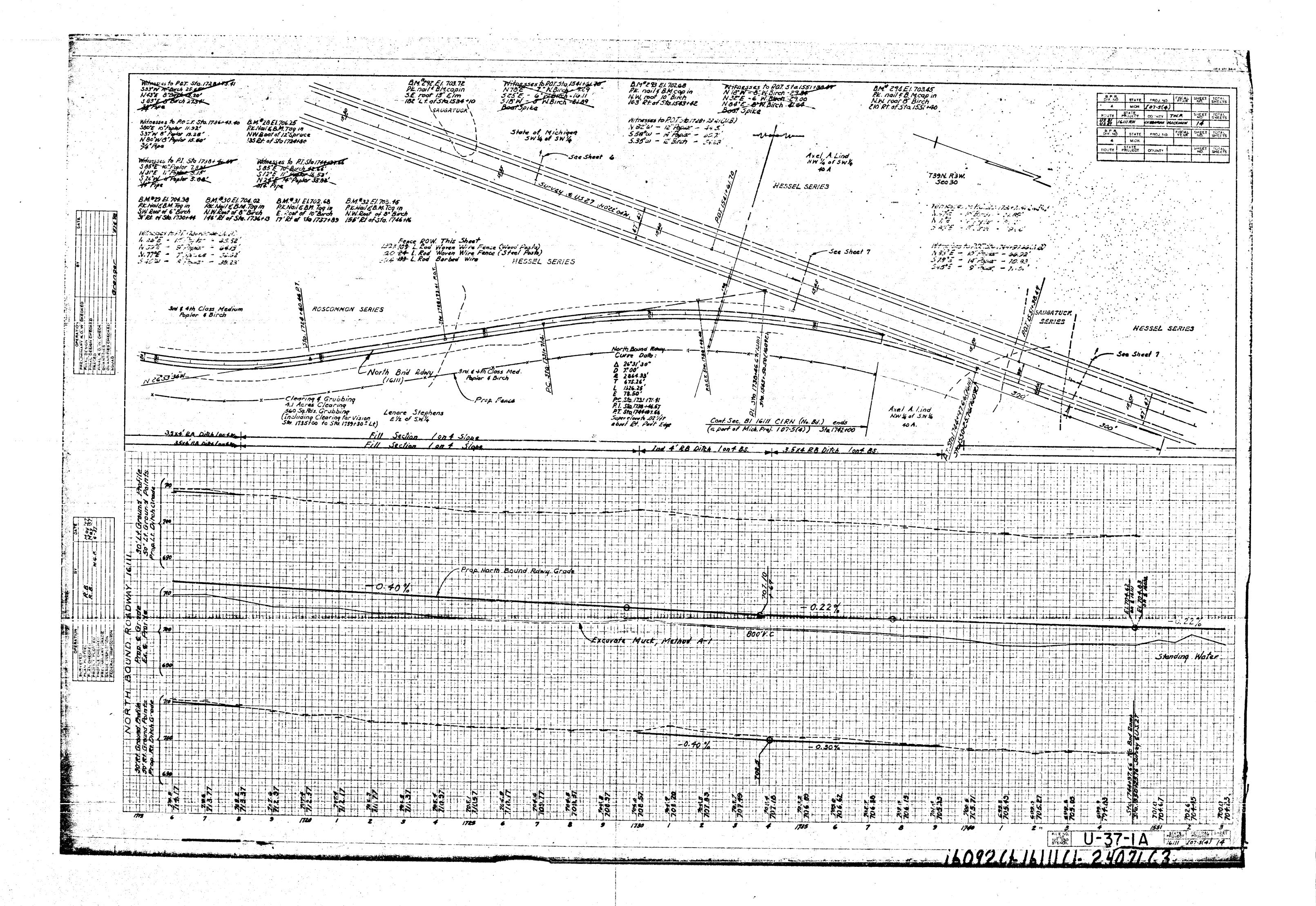


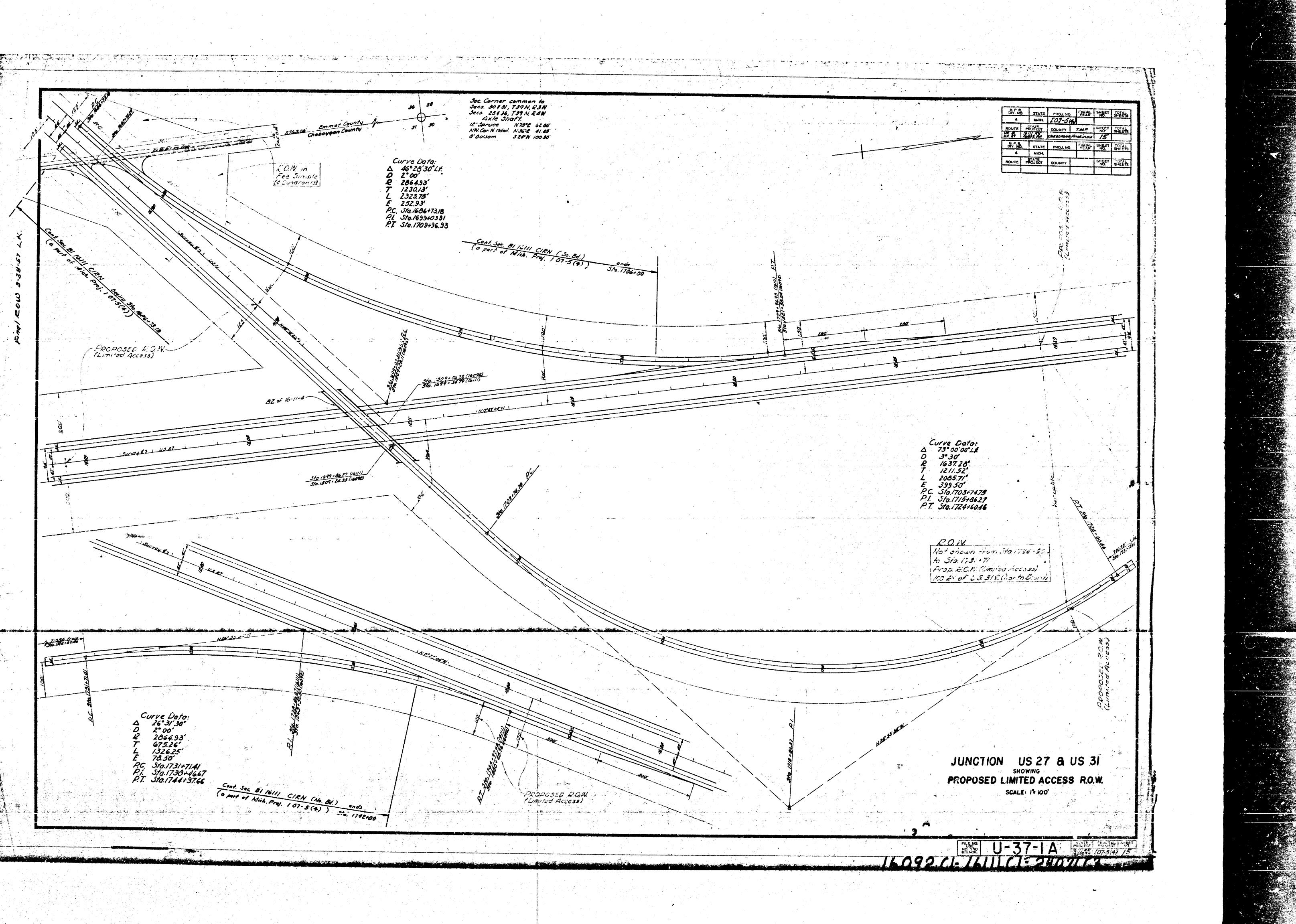


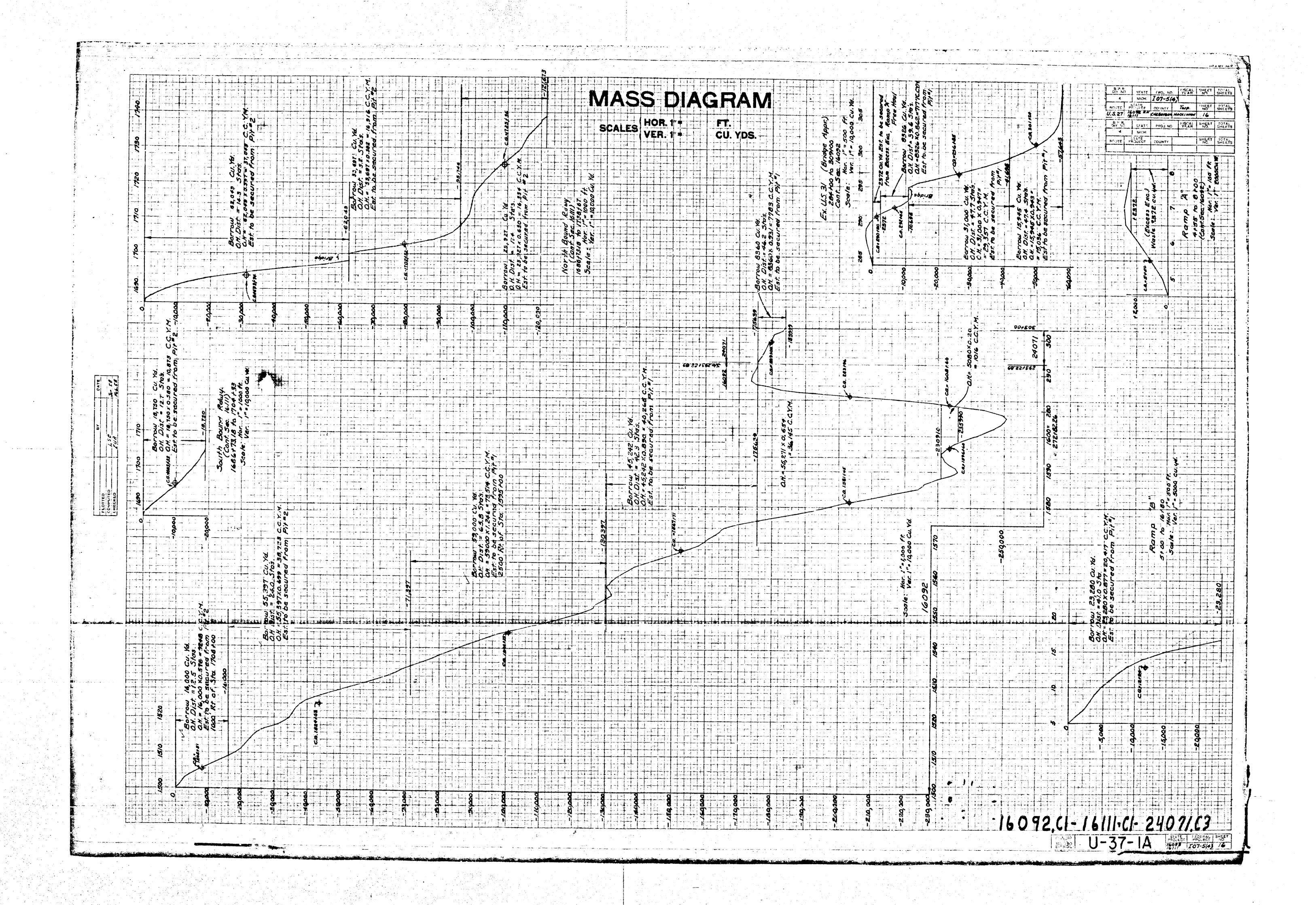


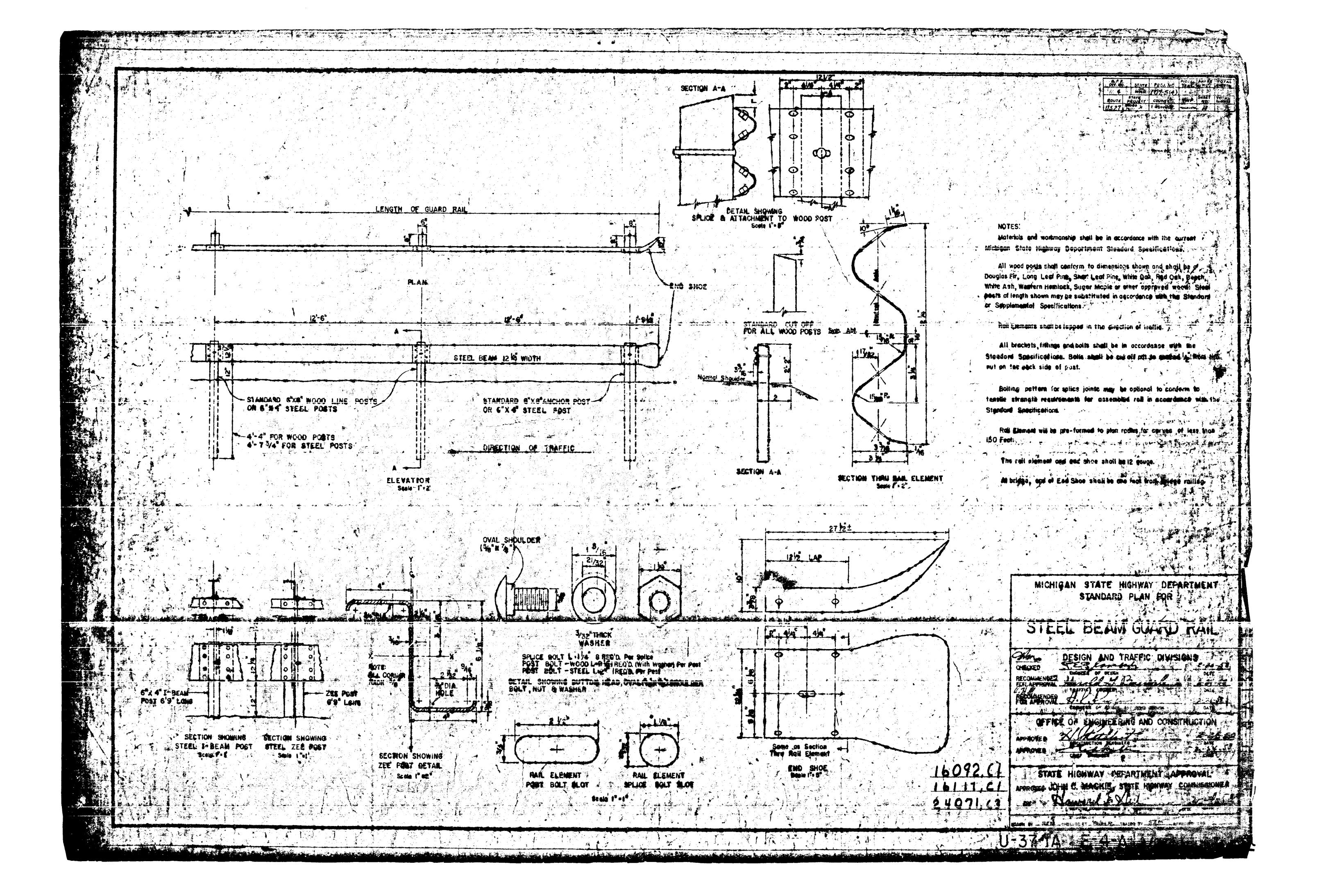












	ASPERP		CULVERTS		TITY SHE		GUARD R	AL ROUTE STATE ME	7-5 (4)
CULV. STATION STANDA	AD GRADE A STEEL	LIN. FT. C	CIRC. CLASS B GULV. STAND		STRUCTED STEEL LIN. FT. CIRC. CLASS A	LIN. FT. CIRC. CLASS B EXPLANATION	AS PER PLANS	AS CONST. W-27 Kill Fres	OFERY Marking
NO. PLAN	SIZE LENGTH CONCRETE REME		NO. STATION PLA	SIZE LENGTH CONCRETE	REINF. C. B C. B. 18 Plain CE & Bridge Rev. LBS. 38 68 C. P.	12 18 24 30 34 EXPLANATION OF CHANGES	STA. TO STA. G. RAIL POSTS SION TAKEUPS PARENTS EACH EACH	STA. TO STA. G. RAH. POST SIGN END TAKEUPS PANEL CH. FT. EACH EACH EACH	EC EX
1505+50 E-13-4-1		75 162	1505t50 E-/3-	A-10 18" 162' 2.0	34	162.00	1,585,450 2	1505±80 3	US OF
/505+50 " /5/9+00 "	18" 174' 2.0 34	80 174	1505750 E-13- 1519+00 E-13-		12 9	30 174 9	1519100 2	SL9+00 3	
/527+50 " /536+00 "	12" 75' 1.0 23	17 78	15/9+00 E-13- 1527+50 E-11-	0-10 12 75 1.0	/2	75	/5.76-100 / /541-150 2	1534 H00 2 1544 H50 3 1543 H30 3	Media
1514+50		/5 60	/536+00 K-i3-	1	23 3 3	69 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	/552+30 2 /560+50 /	/493130 3 /556+50 2 /557+50 3	
1544:50 ·	1 4dwl. 12° 30' 0.5 12	1/22 50 /56	1544+50 E-13 1544+50 E-13	AND 1 Hdul 12" 28' 0.5	45 /2 d 3 1	28	/567450 2		Madi
/553+30 " /540+50 "	P 80° 24° 164' 3.2 46 1 1 1 2" 30' 0.5 1 2 1 2" 1 2" 23 23	2 30 164	1553+30 E-13- 1553+30 E-13-	R-10 @ 80° 24" 164' 3.2; 9-10 Hdgi. 12" 24' 0.5		24 164	/573±59 / /583±00 2	1582ma 3 3	Med
1 1/567+50 ··	1 28° 156' 3.0 45 1 1 1 1 28 28	/4 63	1560+50 E-137 1567+50 E-137	9-10 24" 156" 3.0	23 0 0 0	63 J54 N 0	0 1589+00 /	1597+00 2 2	
1575+50	/E" 44' /.0 ±3	30	1567+50 E-127	1-12 i Hawl. 12" 24' 0.5"	12000	24 3 7	278+00 / 283-284 Page A 2	28660 : /\ 278700	50
/582+00 " /582+00 "	24" 200' 3.0 45 Hawl 12" 30' 0.5 12	/5. ££ 200	12/3130 C-13- 1582+00 F-132	2-10 24" 200' 30+		60 0 0	29/+40 2	25076/ \(\frac{2}{3}\)	Madi
/587+00 -		18 8/	1582+00 E-137 1583+00 E-137	9-10 Hale 12" 32' 0.53	12 3	32 4 4	14000 Rome B 2	285 t15 281 109.0 5	6-2
		/6 72	1597100 E-12- 23/+40 E-12+	2-10 24" 132' 44	23 45	72 7 7	290482.5 2.92+61 178.5 2.95+44 303+72.5 828.5	298t00 178.5 1	Gyard -
2+3 Ling A = 29/+40 "	75' /-0 23 945° 24' /04' 3.8 56 24" /36' 3.0 45	17 75 77 104 137 136	278+00 E-13+ 2580 MAN M M-137	9-10 • 45 ° 30" 104' 54	23	80 /04	Rom A & 292128 378.5 295111 to Rom B 716.0	292+41 M-108 8285 1 285+41 M-108 3925 1 299+79 4-way 716.0 1	- 4
29/140 m 4+00 Ring B	! How! 12" 30' 0.5 12 30" 32' 4,4 55	30		9-10 26 132 4.4 8-10 1 Haml. 12" 32' 0.5 9-10 94" 99' 52	45 /2	32 /12	Rong B to 304RS 864.0 Entire Project 6	299+79 X-way 7/6.0 / 305+00 X-way 866.0 / /	Me
Entire Proj. E-4-11-5 Biof16-11-4		2 2 /28 /2 34 /00 80	92 14 - 40	9-10 94" 00' 52 1-90 1.7	42	ŽŽ.	70f3/ 2367.5 3/	3090.5 4/	1
Total	42.9 902	2 2 128 12 34 100 * 791 336 916	92 Blos 16-11-7		102 2 2 102 12 34 100 863 2 2 102 12 24 100 2 1	81 793 336 640 . 26 42	169/100 So. DI. 2	1691100 So. Bd. 2 3	
(691+30 E 13-A-1	10 24° 68′ 3.0 45						/702+50	1702 F50 11 2 3 1 1/9/1700 No. Bd. 2 1 1 1/9/1700 No. Bd. 2 1	
1702+50 =	18" 57' 2.0 34 24" 84' 3.0 45	26 5?	1691t00 E-13-13	1-10 18" 57' 2.0	45 10 10 34	57	160+94 1705+975 503.5	1697142 " 953.5 / " 170100 No Bd. 866.0 / 3	Dow
1621+00 B24-16-11-4 Total	2 Med ol. 20 102	2 2 120 12 20 100 90 2 2 120 12 20 100 * 90 57 152	1691+00 E-13- B20916-11-4	8-10 24" 84' 3.0 2661 2.6	45 (H)	90 84	1700+5# 1706+09.5 558.5 Total 2876.5 G	1688 to 6t. 503.5 2.5 3	of N.
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		to the face of the car. The),r,Q		* / 20/0	udad in carthwork			
TOTAL CULVERTS 20 FT. SPAN TOTAL CULVERTS OVER 20 FT.			TOTAL CULVERTS 20 FT. SP.	AN OR UNDER					
			TOTAL CULVERTS OVER 20 I	T. SPAN 62.8	1089 4 4 200 24 54 200 Hart 8	883 393 1092 104 92	TOTALS	TOTALS	
	AS PER PLANS	GRADING	AS CONSTRUC	TED		FENCING S AS CONSTRUCTI			
STA. TO STA. EARTH EXC. 30 CU. YDS. CU.	HROW ROCK EXC. FARTN EMB.+ SHR. WASTE + LOSS CU. YDS. CU. YDS. CU. YDS. CU. YDS.	COMP. CAMP.	ROCK EXC. SARTH EMB. + SHR. WASTE OVER CU. YDS. CU. YDS. CU. YDS. CU. YDS. CU. YDS. CU. YDS.	PARTIES AND	SHEET WOVEN WIRE FEWE BARRE				UCT
1500+00-1502100 644 15	000 16046 548	8 3248 2520 16003	18523 1:44		NO. L.ROW L.ROW L. RO. 53 5.	os No. POSTS POSTS L. ROUS OF C	HANGES STA. TO STA.	STA TO STA.	0F
15.09:20-1535+00 12.128 5.5 15.25+00-1530+00 18.912 4.9 15.59+00-1516+00 15.599 4.5	FG 224 19 70A	38.723 5/00 59072 2.574 5/05 5/08	(3) (4/72) 460	57	n. 1 6 9/ 45 /34	6 6 9/ 45 /36			124
1576+00-295+00 97,657 4+55-8+00 2938	3485 2288 34 284 10, 366 566	40.265 7881 492.89 6 37.161 144440 809.50	0 0 57170 0 47 14398 5720 194572 31018 807 22191 3642 -	148	3 319 319 8 182 182 36 9 94 192 286	4 B 182 182 364 6 9 94 192 286			
284+00-293+10 2219 8	324	7,177 As. US 31 UT 7 16099	22.791 3642 - 20 2 16776 93		Total 686 472 (194	0 Total 686 472 1/58			
299+01-309+00 /5 \$400-16430 3,144 23	1,945 /7,648 1,280 23.200 244	7,17 &	343/6 300	61.5 637	3/	9 31 21			
2	SUBBASE	mp "A" Excapation	29586 204	—·	76tel 31 31	Total 31 31			
15 61 +65 - 1895 : 80 21 1585 + 66 - 1640 + 69 3	1,122 2/,122	16,454			12 121 145 264 5 14 109 24 133	6 /2 /2/ /45 266			
272-62 - 285-00 6	3/67 3/3/3	4,595			70 tol 230 16.9 393	6 12 121 145 266 3 14 100 24 133 9 Tatel 230 168 329			
n+00 - 8+10 2	2250 2250	2,391 1,764 Komp A 1,585 Gaus M							
295136-299400	(335)					A STATE OF THE PARTY OF THE PAR			1865
299+00 - 309:00 9 0+00 - 4+0p	1335 1667 3667 504 564 1667 1667	3.601 " 4 V					TOTALS		1-11
1504 +00-1601+00 S	5640	3,17.1 "					AS PER PLANS	AS CONSTRUCTED	EXPL.
1816-89-1816-88	916 6216	2,680 4654					Length 2.280	Miles Langth 2.280 Miles	C
	048 R510	5,168					Por Met. Cr. E 759	Miles Lanoth 2.280 Miles 1.40. Plain A: P. Page 10 Cu. yd. Cu. W. Por. 11at. Gr. B 979 Ca. Yd. L.A. 6" Sewer Pipe Underdrain 3402 /fr L. Seeding 24 Ac. Rem. Trees B" 12 Dia. (1) Ea. Mulching 99 Tens Cu. W. Topsoil Surface 9/6/ Cu. W. Sto. Fine Grading & Cleanup 284 Sto	Auth C
1556+26-184745 2	154 1154	3746					* Seeding Underdrain 1820	L. F. 6 Sewer Pipe Underdrain 3402 / fr. Le. Seeding 24 Ac.	Auth. A
							Musching 78 7	Rem. Trees 8-12 Dia. (1) Ea.	Arth Laio
Entire Project	POROUS MATERIAL - GRADE 1 1576 1576 1061 1061						Fine Grading & Cleanup 264	Sto. Fine Grading & Cleanup 284 Sto	Auth.
		(06/						Touck Rate Increase Them	AVER.
Entire Project 1260	STE FROM SEWER TRENCHES 576 (836						Langth 0.165 * Seeding 1 Ac Mulching 3 Ton	Miles Length 0.185 Miles Seeding 1 AC.	19uth F
EXCAVATION FOR	TOPSOIL SURFALE & PEPLACEMEN 9134 HA 7020	VI BORROW					Mulching 3 Ton	Mulching 3 Tons o.W. Topsoil Surface 270 Cu. Yds	
				/			Fine Greding & Cleanup 20 S Oblitarating Cld Road 8.3 A Road Project Marker 1 ea	to. W. Topsoil Surface 270 Cu. Yds. to. Fixe Grading & Cicanup 20 sta. teres Obliterating Oli Road 0.3 Acres the Road Project Market 1 Each	1
	2449 4,061 2,288 454,248 66,389	- 「もくらっぷならっしゃっぺっという妻!するカった 縁もつので 気をかまい	14398 5720 52071X 34660 391	070	TOTALS	TOTALS	To be deed by Marian	the Pres 16092 Lord Transfer Devices	1/211
PLAN ESTIMATE BY	L.S. Edwards DATE 1-10-58	CHECKED BY SE Grover & M.E. Lan	DATE 2-26-59 DATA COMP	TETED AL QUE BANGE	DATE 7-13-60	HISTORY CHECKED			Huth
			DATE	THE PROPERTY OF THE PARTY OF TH	UAIL	HISTORY CHECKED ENTERED ON PLANS	DATE		///

وي المسويق بين الموضعة في ما تعدد با

				<u> </u>	JANTITY	SHEET-D
		AS	PER PLANS	SURFACIN	NG (SQ. YD.) ÇL	URB AND GUTTER (LIN FT)
¥20	CONC. PAYT	AGG BIT CONC BIT. DITPRINE CLASS	A BIT. COVER SELECTED CALCHIN WATE			AS CONSTRUCTED
			A BIT. COVER SELECTED CALCHIN WATE MATE APPLIED 26 B TONS TONS UNIT		REMARKS	STA TO STA. LENGTH WILTH SQ.YO. SQ. YO. YO. SQ. YO. SQ
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/51/45724 1584+ asse /514+48.W 1574+58.84	251,00 12'-a" /46.7 /66.7				pecel. Line 8	1521+56.24 1524+08 2 250.00 12' 313.3 335.3 1524+1834153645638 250.00 12'-0' 166.7 166.7
1742+ 00 1744+9244 15504-824 1853+8824	300.00 12 400.0 400.0				No. 86	1745+48 1 1544 207 66 Var. 542 8 542 8
(551411.% /556725); 17149446 293422.d7	30.00 (1.0' 200.0 200.0 240.63 48' 10.813.4 10.813.4 250.00 0'-12' 166.7 166.7	3/33 (414	4/27 /47 2.134 22.5 4.5	2	U.S. 31 Accel. Lane Dual Part.	1552-76.76 1565-72:76 300, 20 12 400.0 400.0 1553-725.76 1566-725.76 300, 20 12 -0 200.0 272-88:3 198-726-6 2040 63 48' 10 000 4 200.0
275 + 87.96 Z8+487.96	500.00 0'-13' /66.7 :66.7 500.00 /2' 646.7 646.7 102.5 17'-16' /70.8 /70.8				Rama A Accel, Lane	272-81: 198+7265 7040 63 48' 10.883.4 218.1 273+37.56.75+87.86 250.00 0'-12' 166.7 275-87.86 280+87.86 500.00 12' 666.7 666.7 0 too 1 to 2.5 102.5 12-16' 76.8 170.8
1+02.5 3+37.79 3487.79 8+11.08	23529 16'	338 272 415 177 754 66.8 192.8 402	202 7 /.6 .0)	Rose A	1 0 2 5 1 0 2 . 5 1 2 - 16 7 4 . 8 1 7 0 . 8 1 7 0 . 8 1 7 0 . 8 1 7 0 . 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
0+00 3+78 3+78 12+12-12	320.00 16 100 392.0 392.0		405 /5 16	6	Renal	3+37.79 8+11.08 473.29 K 4Var
284100 292452.Bg 295454.00 399430	88-86 21'	2118 176.5 271.6 410 1260 135.5 288.5 521 31 2015 U6.7 383.4 834 54	4.0		<u> </u>	Oroo 3+78 378 00 16'6 var 311.0 3.5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Total						1925 216.7 333.4 90/ 542
7 T T B			7 26/03 932 13346 160 26			Total 63225 63225 23/07 623 758 13076 881 28440 1091 13346 136.0 87
293/72.80 348+00	977.// 48 52/1-3 52/1-3	1436 706	1976 71 1,013 10.3 1.8	9		76 mf. Cain - P.O.E. 290 233122.85 303425 977.11 48' 5211.2 5211.2 1496 706 1976 71 101.3 10.9 5 7.8
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567+76.29 (Town. Tatoi	Conny	3649 334 514 1950 855 265 512 338 1492 1905 1844	4./ \2/			16861736 1766 1900 1926. 82 24 36.42 - 334 0514 32138 (1948 3 70 1998 28.5 8.7 1 1687 + 12.29 Tome. Cons.
		1703 1844	7199 258 7407 91 15			Tatal 14,338 1318 1834 8224 7509 245 7407 91 1 41.0
TOTALS						TOTALS 13 434 39 234 4344 2 884 37 825 4408 8 4408
			GRADING		La Company	10,00,00,00,00,00,00,000,000,000,000,00
e.	AS !	DED DIANG		CONSTRUCTE		SODCING; CLEARING & GRUBBING ASPERPLANS AS CONSTRUCTED
STA TO STA.	CU. YOS. CU. YOS. CU. YOS. CU. YOS.	CA YOS CU. YOJ. CU.YO.MIS.	MERS BARTH CIC BARROW POCK FOR EARTH CU. YOS. CU. YOS. CU. YOS. CU. YOS. CU. YOS.	MS TLOSS CIL YOU COMP.	EXPLAMATION OF CHANGES	SHEET CLEARING GROUP CL. B SHEET CHEMING GROUP CL. B
55 1 22.57- 322-08	7638 8360	3,450 7,783	1538 11,508	13 146 10680	Oranios 3	AC. SQ.AD SQ.YO
	* SNABAS	3/48 2 896				5 3.7 535 50 5 3.7 545 50 5 6 3.6 (\$10 134 6 8.9 1677 150 3
EXCAVATI		E & REPLACEMENT PORROW 324 270 308				7 132 21:0 20/1 7 13.2 21:0 200 8 17.9 2.8.2 27.00 A 262 3314 2.700 9 87 1380 100 9 83 142 140 80.0
		324 270 308	270 (324)	374 270 307		2 87 1.100 100 9 0.3 1310 808 10 4876 10 13 10 0000 11 4825 11 13256
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				***		12 38.5 6160 12 385 6160
86 (71/8 - 17 mays)	2,422 18750	18750 2482 10875 5	2484 18260 8	10700 R4P\$ //R74		13 B819 18 (3B.10 14 4.1 500 14 4.1 560
90/95' - !709+00	4 33697 6814 25929	33701 , 14916 V	4 33697 68/4 25927	20+8 4843 17049 33701 168/6 24924 58/7 16884		TOTALS TOTALS 1/ 17 1/
7758 167	CO C C C C C C C C C C C C C C C C C C	36924 5,8/7 1/6334 "				MISCELLANEOUS
etics Project	POROUS MATER	IAL - GRADE A 145	POROUS NATE	RVAL - GRADE A		AS PER PLANS AS CONSTRUCTED
EXCAVATI	ION FOR TOPSOIL SURFACE	REPLACEMENT BORROW	BEPLACE MEA			#ONVEEN! BOXES = EACH MONUMENT BOXES = EACH SEEDING = AGRES = AGRES = EACH MONUMENT BOXES = EACH
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PLAN ESTIMATE BY	V. J. Edwards	The state of the s	3 8 Granger & 1980 Lancia DATE 2:			A SCHAPPLE F LA CL